

*River Corridor
Closure Project*

324 Building Update

River and Plateau Committee

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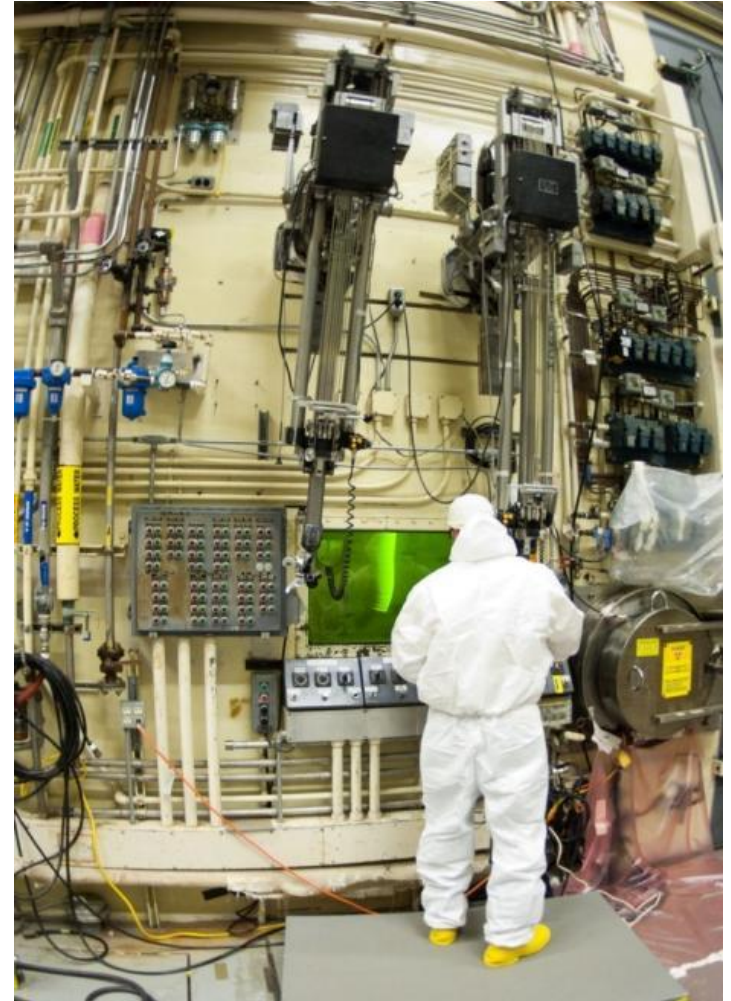
324 Building



Protecting the Columbia River

324 Facility Background

- Hazard Category 2 Nuclear facility
- The 324 Building is located in the 300 Area and began operation in 1965, ceasing research operation in 1996
- 324 is the most complex and hazardous research facility being demolished along Hanford's river corridor
- Five hot cells are contaminated from research with high-levels of radioactive material
- A significant spill occurred in B-cell in the mid-1980s
- B-cell cleanout and stabilization conducted from mid-1990s through 2010





Pushing Sample Tip into Soil

- Second sample drawn from directly below B-cell on June 29
 - First attempt to push sample tube met refusal
 - Second attempt was successful
- Complete laboratory analysis for both samples expected in September



Pulling Sample from Drive Tube

324 Soil Sampling

- Performed extensive mockups before sampling
- First sample drawn from lower elevation June 21
 - Initial Gross-Alpha analysis suggests non-TRU

Overview Work in Progress – Current Timeline

Activity	Date
Perform HHU Pushes	April
Establish remediation methodology grading criteria	April
Establish Sampling and Analysis Plan	May
Collect/deliver soil samples for lab analysis	June
Preliminary lab results available	August
Issuance of Final Data Report by Lab	September

Overview Work in Progress – Current Timeline

Activity	Date
Narrow list of remediation methodologies	September
Reconcile Models	September
Produce Fate and Transport Report	October
Remediation options report	November
Decision point for utilization of Building	November
Recommendation of Remediation Methodology	January